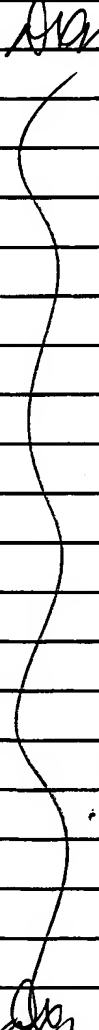
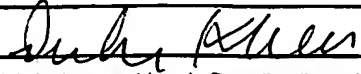


SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50254/005002
		Serial No.	10/529,453
		Applicant	Toner et al.
		Filing Date	March 28, 2005
		Group	Not yet assigned
		IDS Filed	January 13, 2006

INFORMATION DISCLOSURE
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U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
	4,190,535	Feb. 26, 1980	Luderer et al.			
	4,584,268	Apr. 22, 1986	Ceriani et al.			
	4,675,286	Jun. 23, 1987	Calenoff			
	4,800,159	Jan. 24, 1989	Mullis et al.			
	4,894,343	Jan. 16, 1990	Tanaka et al.			
	4,925,788	May 15, 1990	Liberti			
	5,427,663	Jun. 27, 1995	Austin et al.			
	5,506,141	Apr. 9, 1996	Weinreb et al.			
	5,541,072	Jul. 30, 1996	Wang et al.			
	5,622,831	Apr. 22, 1997	Liberti et al.			
	5,629,147	May 13, 1997	Asgari et al.			
	5,641,628	Jun. 24, 1997	Bianchi			
	5,646,001	Jul. 8, 1997	Terstappen et al.			
	5,766,843	Jun. 16, 1998	Asgari et al.			
	5,837,115	Nov. 17, 1998	Austin et al.			
	5,843,767	Dec. 1, 1998	Beattie			
	5,858,188	Jan. 12, 1999	Soane et al.			
	5,858,649	Jan. 12, 1999	Asgari et al.			
	5,861,253	Jan. 12, 1999	Asgari et al.			
	5,928,880	Jul. 27, 1999	Wilding et al.			
	6,004,762	Dec. 21, 1999	Tse et al.			

EXAMINER 	DATE CONSIDERED <u>12-23-06</u>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

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		Applicant	Toner et al.
		Filing Date	March 28, 2005
		Group	Not yet assigned
(37 C.F.R. § 1.98(b))			IDS Filed
		January 13, 2006	

<i>Jan</i>	6,007,690	Dec. 28, 1999	Nelson et al.			
	6,054,034	Apr. 25, 2000	Soane et al.			
	6,066,449	May 23, 2000	Ditkoff et al.			
	6,074,827	Jun. 13, 2000	Nelson et al.			
	6,184,043	Feb. 6, 2001	Fodstad et al.			
	6,197,523	Mar. 6, 2001	Rimm et al.			
	6,235,474	May 22, 2001	Felberg			
	6,265,229	Jul. 24, 2001	Fodstad et al.			
	6,315,940	Nov. 13, 2001	Nisch et al.			
	6,344,326	Feb. 5, 2002	Nelson et al.			
	6,361,958	Mar. 26, 2002	Shieh et al.			
	6,368,562	Apr. 9, 2002	Yao			
	6,372,432	Apr. 16, 2002	Tocque et al.			
	6,387,290	May 14, 2002	Brody et al.			
	6,387,707	May 14, 2002	Seul et al.			
	6,395,232	May 28, 2002	McBride			
	6,432,630	Aug. 13, 2002	Blankenstein			
	6,453,928	Sep. 24, 2002	Kaplan et al.			
	6,521,188	Feb. 18, 2003	Webster			
	6,529,835	Mar. 4, 2003	Wada et al.			
	6,537,505	Mar. 25, 2003	LaBudde et al.			
	6,540,895	Apr. 1, 2003	Spence et al.			
	6,582,904	Jun. 24, 2003	Dahm			
<i>Jan</i>	6,589,791	Jul. 8, 2003	LaBudde et al.			

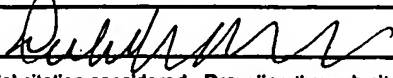
EXAMINER	<i>J. L. K. K. K.</i>	DATE CONSIDERED	<i>12-23-06</i>
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		Applicant	Toner et al.
		Filing Date	March 28, 2005
		Group	Not yet assigned
		IDS Filed	January 13, 2006

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

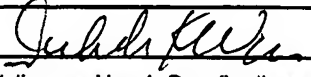
6,613,525	Sep. 2, 2003	Nelson et al.			
6,632,619	Oct. 14, 2003	Harrison et al.			
6,635,163	Oct. 21, 2003	Han et al.			
6,637,463	Oct. 28, 2003	Lei et al.			
6,645,731	Nov. 11, 2003	Terstappen et al.			
6,664,104	Dec. 16, 2003	Pourahmadi et al.			
6,673,541	Jan. 6, 2004	Klein et al.			
6,674,525	Jan. 6, 2004	Bardell et al.			
6,685,841	Feb. 3, 2004	Lopez et al.			
6,692,952	Feb. 17, 2004	Braff et al.			
6,743,636	Jun. 1, 2004	Chung et al.			
6,762,059	Jul. 13, 2004	Chan et al.			
6,783,647	Aug. 3, 2004	Culbertson et al.			
6,805,841	Oct. 19, 2004	Shvets et al.			
6,878,271	Apr. 12, 2005	Gilbert et al.			
6,893,881	May 17, 2005	Fodstad et al.			
6,913,697	Jul. 5, 2005	Lopez et al.			
2001/0007749 A1	Jul. 12, 2001	Feinberg			
2001/0036672 A1	Nov. 1, 2001	Anderson et al.			
2002/0009738 A1	Jan. 24, 2002	Houghton et al.			
2002/0012931 A1	Jan. 31, 2002	Waldman et al.			
2002/0086329 A1	Jul. 4, 2002	Shvets et al.			
2002/0090741 A1	Jul. 11, 2002	Jurgensen et al.			
2002/0110835 A1	Aug. 15, 2002	Kumar			

EXAMINER 	DATE CONSIDERED 12-23-06
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. Serial No. Applicant Filing Date Group IDS Filed	50254/005002 10/529,453 Toner et al. March 28, 2005 Not yet assigned January 13, 2006
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

	2002/0115201 A1	Aug. 22, 2002	Barenburg et al.			
	2002/0172987 A1	Nov. 21, 2002	Terstappen et al.			
	2003/0017514 A1	Jan. 23, 2003	Pachmann et al.			
	2003/0077292 A1	Apr. 24, 2003	Hanash et al.			
	2003/0119077 A1	Jun. 26, 2003	Ts'o et al.			
	2003/0129676 A1	Jul. 10, 2003	Terstappen et al.			
	2003/0153085 A1	Aug. 14, 2003	Leary et al.			
	2003/0159999 A1	Aug. 28, 2003	Oakey et al.			
	2003/0170631 A1	Sep. 11, 2003	Houghton et al.			
	2003/0170703 A1	Sep. 11, 2003	Piper et al.			
	2003/0175990 A1	Sep. 18, 2003	Hayenga et al.			
	2003/0186889 A1	Oct. 2, 2003	Forssmann			
	2003/0190602 A1	Oct. 9, 2003	Pressman et al.			
	2003/0206901 A1	Nov. 6, 2003	Chen			
	2003/0232350 A1	Dec. 18, 2003	Afar et al.			
	2004/0009471 A1	Jan. 15, 2004	Cao			
	2004/0018611 A1	Jan. 29, 2004	Ward et al.			
	2004/0043508 A1	Mar. 4, 2004	Haussecker et al.			
	2004/0063162 A1	Apr. 1, 2004	Dunlay et al.			
	2004/0101444 A1	May 27, 2004	Sommers et al.			
	2004/0121343 A1	Jun. 24, 2004	Buechler et al.			
	2004/0144651 A1	Jul. 29, 2004	Huang et al.			
	2004/0166555 A1	Aug. 28, 2004	Braff et al.			
	2004/0241653 A1	Dec. 2, 2004	Feinstein et al.			

EXAMINER 	DATE CONSIDERED <u>12-23-06</u>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

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	Serial No.	10/529,453
	Applicant	Toner et al.
	Filing Date	March 28, 2005
	Group	Not yet assigned
IDS Filed		January 13, 2006

<i>QAW</i>	2004/0241707 A1	Dec. 2, 2004	Gao et al.			
<i>QAW</i>	2005/0014208 A1	Jan. 20, 2005	Krehan et al.			
<i>QAW</i>	2005/0049793 A1	Mar. 3, 2005	Paterlini-Brechot			
<i>QAW</i>	2005/0069886 A1	Mar. 31, 2005	Sun et al.			
<i>QAW</i>	2005/0129582 A1	Jun. 16, 2005	Breidford et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
<i>QAW</i>	DE 19712309 A1	May 20, 1998	Germany	—	—	Abstract only
	EP 0405972 B1	Jan. 2, 1991	EPO	—	—	
	EP 0919812 B1	Jun. 2, 1999	EPO			
	EP 0920627 B1	Jun. 9, 1999	EPO			
	EP 0970365 A1	Jan. 12, 2000	EPO			
	EP 1221342 A2	Jul. 10, 2002	EPO			
	EP 1262776 A2	Dec. 4, 2002	EPO			Abstract only
	EP 1338894 A2	Aug. 27, 2003	EPO			
	EP 1412729 A2	Apr. 28, 2004	EPO			
	EP 1418003 A1	May 12, 2004	EPO			
	EP 1438398 A2	Jul. 21, 2004	EPO			
	EP 1462800 A1	Sep. 29, 2004	EPO			
	EP 1483052 A1 —	Dec. 8, 2004	EPO			
	EP 1485713 A1	Dec. 15, 2004	EPO			
	EP 1499708 A2	Jan. 26, 2005	EPO			
<i>QAW</i>	EP 1529211 A1	May 11, 2005	EPO	—	—	

EXAMINER <i>John E. Palmer</i>	DATE CONSIDERED <i>12-23-06</i>
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		Applicant	Toner et al.
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(37 C.F.R. § 1.98(b))			IDS Filed
		January 13, 2006	

Star	EP 1539350 A1	Jun. 15, 2005	EPO			
	EP 1542802 A1	Jun. 22, 2005	EPO			
	WO 86/06170 A1	Oct. 23, 1986	WIPO			
	WO 90/06509 A1	Jun. 14, 1990	WIPO			
	WO 91/08304 A1	Jun. 13, 1991	WIPO			
	WO 94/29707 A1	Dec. 22, 1994	WIPO			
	WO 99/31503 A1	Jun. 24, 1999	WIPO			Abstract only
	WO 99/44064 A1	Sep. 2, 1999	WIPO			
	WO 01/35071 A2	May 17, 2001	WIPO			
	WO 02/07302 A2	Jan. 24, 2002	WIPO			Abstract only
	WO 02/12896 A1	Feb. 14, 2002	WIPO			
	WO 02/28523 A2	Apr. 11, 2002	WIPO			
	WO 02/30562 A1	Apr. 18, 2002	WIPO			
	WO 03/000418 A2	Jan. 3, 2003	WIPO			
	WO 03/018198 A1	Mar. 6, 2003	WIPO			
	WO 03/023057 A2	Mar. 20, 2003	WIPO			Abstract only
	WO 03/031938 A2	Apr. 17, 2003	WIPO			
	WO 03/035894 A2	May 1, 2003	WIPO			
	WO 03/035895 A2	May 1, 2003	WIPO			
	WO 03/044224 A1	May 30, 2003	WIPO			Abstract only
	WO 03/069421 A2	Aug. 21, 2003	WIPO			
	WO 03/071277 A1	Aug. 28, 2003	WIPO			Abstract only
	WO 03/079008 A1	Sep. 25, 2003	WIPO			
Star	WO 03/085379 A2	Oct. 16, 2003	WIPO			

EXAMINER	<i>Deborah K. W...</i>	DATE CONSIDERED	<i>12-23-06</i>
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(37 C.F.R. § 1.98(b))		IDS Filed	January 13, 2006

<i>DAV</i>	WO 03/093795 A2	Nov. 13, 2003	WIPO			
	WO 2004/004906 A1	Jan. 15, 2004	WIPO			
	WO 2004/015411 A1	Feb. 19, 2004	WIPO			
	WO 2004/024327 A1	Mar. 25, 2004	WIPO			
	WO 2004/025251 A2	Mar. 25, 2004	WIPO			
	WO 2004/029221 A2	Apr. 8, 2004	WIPO			
	WO 2004/037374 A2	May 8, 2004	WIPO			
	WO 2004/044236 A1	May 27, 2004	WIPO			
	WO 2004/056978 A1	Jul. 8, 2004	WIPO			
	WO 2004/076643 A2	Sep. 10, 2004	WIPO			
	WO 2004/101762 A2	Nov. 25, 2004	WIPO			
	WO 2004/113877 A1	Dec. 29, 2004	WIPO			
	WO 2005/028663 A2	Mar. 31, 2005	WIPO			
	WO 2005/042713 A2	May 12, 2005	WIPO			
	WO 2005/043121 A2	May 12, 2005	WIPO			
<i>DAV</i>	WO 2005/047529 A1	May 26, 2005	WIPO			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

<i>DAV</i>	Anderson et al., "Simultaneous Fluorescence-Activated Cell Sorter Analysis of Two Distinct Transcriptional Elements within a Single Cell Using Engineered Green Fluorescent Proteins," <i>Proc. Natl. Acad. Sci. USA</i> 93:8508-8511 (1996).
	Archer et al., "Cell Reactions to Dielectrophoretic Manipulation," <i>Biochem. Biophys. Res. Comm.</i> 257:687-698 (1999).
	Basch et al., "Cell Separation Using Positive Immunoselective Techniques," <i>J. Immunol. Methods.</i> 56:269-280 (1983).
<i>DAV</i>	Bauer, J., "Advances in Cell Separation: Recent Developments in Counterflow Centrifugal Elutriation and Continuous Flow Cell Separation," <i>J. Chromatogr. B</i> 722:55-69 (1999).

EXAMINER	<i>Deborah K. K...</i>	DATE CONSIDERED	<i>12-23-06</i>
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		Filing Date	March 28, 2005
		Group	Not yet assigned
		IDS Filed	January 13, 2006
(37 C.F.R. § 1.98(b))			

Stan	Becker et al., "Fabrication of Microstructures with High Aspect Ratios and Great Structural Heights by Synchrotron Radiation Lithography, Galvanoforming, and Plastic Moulding (LIGA Process)," <i>Microelectronic Eng.</i> 4:35-56 (1986).
	Becker et al., "Planar Quartz Chips with Submicron Channels for Two-Dimensional Capillary Electrophoresis Applications," <i>J. Micromech. Microeng.</i> 8:24-28 (1998).
	Benincasa et al., "Cell Sorting by One Gravity SPLIT Fractionation," <i>Anal. Chem.</i> 77:5294-5301 (2005).
	Berenson et al., "Antigen CD34" Marrow Cells Engraft Lethally Irradiated Baboons," <i>J. Clin. Invest.</i> 81:951-955 (1988).
	Berenson et al., "Positive Selection of Viable Cell Populations Using Avidin-Biotin Immunoabsorption," <i>J. Immunol. Methods.</i> 91:11-19 (1986).
	Berenson et al., "Cellular Immunoabsorption Using Monoclonal Antibodies," <i>Transplantation.</i> 38:136-143 (1984).
	Berg H.C., <i>Random Walks in Biology</i> . Ch. 4, Princeton University Press. Princeton, NJ; 1993, pp. 48-64.
	Bianchi et al., "Fetal Nucleated Erythrocytes (FNRBC) in Maternal Blood: Erythroid-Specific Antibodies Improve Detection," <i>Am. J. Hum. Genet.</i> Supplement to 51(4):996 (1992).
	Boyer et al. "Enrichment of Erythrocytes of Fetal Origin from Adult-Fetal Blood Mixtures via Selective Hemolysis of Adult Blood Cells: An Aid to Antenatal Diagnosis of Hemoglobinopathies." <i>Blood</i> 47:883-897 (1976).
	Brisson et al., "General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes," <i>Mol. Cell Biol.</i> 2:578-587 (1982).
	Butterworth et al., "Human Cytotrophoblast Populations Studied by Monoclonal Antibodies Using Single and Double Biotin-Avidin-Peroxidase Immunocytochemistry," <i>J. Histochem. Cytochem.</i> 33:977-983 (1985).
	Chou et al., "Sorting by Diffusion: An Asymmetric Obstacle Course for Continuous Molecular Separation," <i>Proc. Natl. Acad. Sci. USA.</i> 96:13762-13765 (1999).
	de Kretser et al., "The Separation of Cell Populations Using Monoclonal Antibodies Attached to Sepharose," <i>Tissue Antigens</i> 16:317-325 (1980).
	Deng et al., "Manipulation of Magnetic Microbeads in Suspension Using Micromagnetic Systems Fabricated with Soft Lithography," <i>Appl. Phys. Lett.</i> 78(12):1775-1777 (2001).
	Deshmukh et al., "Continuous Micromixer with Pulsatile Micropumps," <i>Solid-State Sensor and Actuator Workshop, Hilton Head Island, South Carolina; June 4-8, 2000</i> , pp. 73-76 (2000).
	Evans and Liepmann, "The Bubble Spring and Channel (BSAC) Valve: An Actuated, Bi-Stable Mechanical Valve For In-Plane Fluid Control," <i>Transducers '99. Sendai, Japan; June 7-10, 1999</i> (1999).
Stan	Farber et al., "Demonstration of Spontaneous XX/XY Chimerism by DNA Fingerprinting," <i>Hum. Genet.</i> 82:197-198 (1989).

EXAMINER <i>Deborah Wilson</i>	DATE CONSIDERED <i>12-23-06</i>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

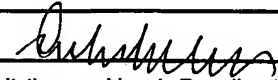
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		Serial No.	10/529,453
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant	Toner et al.
		Filing Date	March 28, 2005
		Group	Not yet assigned
		IDS Filed	January 13, 2006
(37 C.F.R. § 1.98(b))			

JSA	Farooqui and Evans, "Microfabrication of Submicron Nozzles in Silicon Nitride," <i>J. Microelectromech. Systems</i> 1(2):86-88 (1992).
JSA	Fu et al., "An Integrated Microfabricated Cell Sorter," <i>Anal. Chem.</i> 74:2451-2457 (2002).
	Gänshirt-Ahlert et al., "Magnetic Cell Sorting and the Transferrin Receptor as Potential Means of Prenatal Diagnosis from Maternal Blood," <i>Am. J. Obstet. Gynecol.</i> 166:1350-1355 (1992).
	Gänshirt-Ahlert et al., "Noninvasive Prenatal Diagnosis: Triple Density Gradient, Magnetic Activated Cell Sorting and FISH prove to Be an Efficient and Reproducible Method for Detection of Fetal Aneuploidies from Maternal Blood," <i>Am. J. Hum. Genet. Supplement</i> to 51:182 (1992).
	Giddings J.C., "Chemistry: 'Eddy' Diffusion in Chromatography," <i>Nature</i> 184(4683):357-358 (1959).
	Giddings J.C., "Field-Flow Fractionation: Analysis of Macromolecular, Colloidal, and Particulate Materials," <i>Science</i> 260:1456-1465 (1993).
	Giddings J.C., <u>Unified Separation Science</u> , John Wiley & Sons, Inc., Cover Page & Table of Contents only (1991).
	Greaves et al., "Expression of the OKT Monoclonal Antibody Defined Antigenic Determinants in Malignancy," <i>Int. J. Immunopharmacol.</i> 3(3):283-299 (1981).
	Guérin et al., "A New TaqI BO Variant Detected with the p49 Probe on the Human Y Chromosome," <i>Nucleic Acids Res.</i> 16:7759 (1988).
	Hall et al., "Isolation and Purification of CD34+ Fetal Cells from Maternal Blood," <i>Am. J. Hum. Genet. Supplement</i> to 51(4):1013 (1992).
	Hames et al., eds. <u>Nucleic Acid Hybridisation: A Practical Approach</u> , Oxford: IRL Press Limited; 1985, pp. 190-193.
	Han et al., "Separation of Long DNA Molecules in a Microfabricated Entropic Trap Array," <i>Science</i> 288:1026-1029 (2000).
	Handyside et al., "Biopsy of Human Preimplantation Embryos and Sexing by DNA Amplification," <i>Lancet</i> 1(8634):347-349 (1989).
	Herzenberg et al., "Fetal Cells in the Blood of Pregnant Women: Detection and Enrichment by Fluorescence-Activated Cell Sorting," <i>Proc. Natl. Acad. Sci. USA</i> 76:1453-1455 (1979).
	Holzgreve et al., "Fetal Cells in the Maternal Circulation," <i>J. Reprod. Med.</i> 37:410-418 (1992).
	Huang et al., "Role of Molecular Size in Ratchet Fractionation," <i>Phys. Rev. Lett.</i> 89:178301 (2002).
JSA	Huang et al., "A DNA Prism for High-Speed Continuous Fractionation of Large DNA Molecules," <i>Nature Biotechnol.</i> 20:1048-1051 (2002).

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	12-23-06
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			

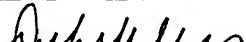
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		Applicant	Toner et al.
		Filing Date	March 28, 2005
		Group	Not yet assigned
		IDS Filed	January 13, 2006
<p align="center">INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)</p>			
(37 C.F.R. § 1.98(b))			

JMK	Huh et al., "Gravity-Driven Microhydrodynamics-Based Cell Sorter (microHYCS) for Rapid, Inexpensive, and Efficient Cell Separation and Size-Profiling," <i>2nd Annual International IEEE-EMBS Special Topic Conference on Microtechnologies in Medicine and Biology Poster</i> 180:466-469 (2002).
	Iverson et al., "Detection and Isolation of Fetal Cells from Maternal Blood Using the Fluorescence-Activated Cell Sorter (FACS)," <i>Prenat. Diagn.</i> 1:61-73 (1981).
	Kawata et al., "Transcriptional Control of HLA-A,B,C Antigen in Human Placental Cytotrophoblast Isolated Using Trophoblast- and HLA-Specific Monoclonal Antibodies and the Fluorescence-Activated Cell Sorter," <i>J. Exp. Med.</i> 160:633-651 (1984).
	Kim et al., "Polymer Microstructures Formed by Moulding in Capillaries," <i>Nature</i> 376:581-584 (1995).
	Klinger et al., "Rapid Detection of Chromosome Aneuploidies in Uncultured Amniocytes by Using Fluorescence In Situ Hybridization (FISH)," <i>Am. J. Hum. Genet.</i> 51:55-65 (1992).
	Kogan et al., "An Improved Method for Prenatal Diagnosis of Genetic Diseases by Analysis of Amplified DNA Sequences," <i>N. Engl. J. Med.</i> 317:985-990 (1987).
	Kumar et al., "Cell Separation: A Review," <i>Pathology</i> 16:53-62 (1984).
	Kwok et al., "Avoiding False Positives with PCR," <i>Nature</i> 339:237-238 (1989).
	Lanier et al., "Subpopulations of Human Natural Killer Cells Defined by Expression of the Leu-7 (HNK-1) and Leu-11 (NK-15) Antigens," <i>J. Immunol.</i> 131:1789-1796 (1983).
	Lau et al., "A Rapid Screening Test for Antenatal Sex Determination," <i>Lancet</i> 1(8367):14-16 (1984).
	Li et al., "Amplification and Analysis of DNA Sequences in Single Human Sperm and Diploid Cells," <i>Nature</i> 335:414-417 (1988).
	Lichter et al., "Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by In Situ Suppression Hybridization Using Recombinant DNA Libraries," <i>Hum. Genet.</i> 80:224-234 (1988).
	Lin et al., "Microbubble Powered Actuator," <i>1991 International Conference on Solid-State Sensors and Actuators. Digest of Technical Papers (Transducers '91)</i> pp. 1041-1044 (1991).
	Lipinski et al., "Human Trophoblast Cell-Surface Antigens Defined by Monoclonal Antibodies," <i>Proc. Natl. Acad. Sci. USA</i> 78:5147-5150 (1981).
	Lo et al., "False-Positive Results and the Polymerase Chain Reaction," <i>Lancet</i> 2(8612):679 (1988).
	Lo et al., "Prenatal Sex Determination by DNA Amplification from Maternal Peripheral Blood," <i>Lancet</i> 2(8676):1363-1365 (1989).
JMK	Loken et al., "Flow Cytometric Analysis of Human Bone Marrow: I. Normal Erythroid Development," <i>Blood</i> 69:255-263 (1987).

EXAMINER 	DATE CONSIDERED 12-23-06
<p>EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.</p>	

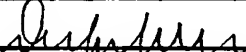
SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50254/005002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/529,453
(37 C.F.R. § 1.98(b))		Applicant	Toner et al.
		Filing Date	March 28, 2005
		Group	Not yet assigned
		IDS Filed	January 13, 2006

20	Mahr et al., "Fluorescence <i>In Situ</i> Hybridization of Fetal Nucleated Red Blood Cells," <i>Am. J. Hum. Genet.</i> Supplement to 51(4):1621 (1992).
	McCabe et al., "DNA Microextraction from Dried Blood Spots on Filter Paper Blotters: Potential Applications to Newborn Screening," <i>Hum. Genet.</i> 75:213-216 (1987).
	Mehrlshi et al., "Electrophoresis of Cells and the Biological Relevance of Surface Charge," <i>Electrophoresis</i> 23:1984-1994 (2002).
	Moore et al., "Lymphocyte Fractionation Using Immunomagnetic Colloid and a Dipole Magnet Flow Cell Sorter," <i>J. Biochem. Biophys. Methods</i> 37:11-33 (1998).
	Mueller et al., "Identification of Extra-Villous Trophoblast Cells in Human Decidua Using an Apparently Unique Murine Monoclonal Antibody to Trophoblast," <i>Histochem. J.</i> 19:288-296 (1987).
	Mueller et al., "Isolation of Fetal Trophoblast Cells from Peripheral Blood of Pregnant Women," <i>Lancet</i> 336(8709):197-200 (1990).
	Müller et al., "Moderately Repeated DNA Sequences Specific for the Short Arm of the Human Y Chromosome are Present in XX Males and Reduced in Copy Number in an XY Female," <i>Nucleic Acids Res.</i> 14:1325-1340 (1986).
	Mullis et al., "Specific Enzymatic Amplification of DNA In Vitro: The Polymerase Chain Reaction," <i>Cold Spring Herb. Symp. Quant. Biol.</i> 51:263-273 (1986).
	Newman et al., "The Transferrin Receptor," <i>Trends Biochem. Sci.</i> 7:397-400 (1982).
	Oberle et al., "Genetic Screening for Hemophilia A (Classic Hemophilia) with a Polymorphic DNA Probe," <i>N. Engl. J. Med.</i> 312:682-686 (1985).
	Ockenhouse et al., "Activation of Monocytes and Platelets by Monoclonal Antibodies or Malaria-Infected Erythrocytes Binding to the CD36 Surface Receptor In Vitro," <i>J. Clin. Invest.</i> 84:468-475 (1989).
	Pallavicini et al., "Analysis of Fetal Cells Sorted from Maternal Blood Using Fluorescence In Situ Hybridization," <i>Am. J. Hum. Genet.</i> Supplement to 51(4):1031 (1992).
	Papavasiliou et al., "Electrolysis-Bubble Actuated Gate Valve," <i>Solid-State Sensor and Actuator Workshop, Hilton Head Island, SC. June 4-8, 2000</i> ; pp. 48-51 (2000).
	Pawlik et al., "Prodrug Bioactivation and Oncolysis of Diffuse Liver Metastases by a Herpes Simplex Virus 1 Mutant That Expresses the CYP2B1 Transgene," <i>Cancer</i> 95:1171-1181 (2002).
	Payne R., "The Development and Persistence of Leukoagglutinins in Parous Women," <i>Blood</i> 19:411-424 (1962).
20	Pinkel et al., "Fluorescence In Situ Hybridization with Human Chromosome-Specific Libraries: Detection of Trisomy 21 and Translocations of Chromosome 4," <i>Proc. Natl. Acad. Sci. USA</i> 85:9138-9142 (1988).

EXAMINER		DATE CONSIDERED	12-23-06
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50254/005002
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		Filing Date	March 28, 2005
		Group	Not yet assigned
		IDS Filed	January 13, 2006
(37 C.F.R. § 1.98(b))			

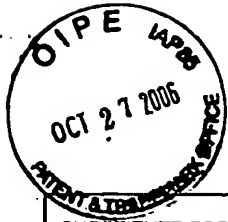
Pinkel et al., "Cytogenetic Analysis Using Quantitative, High-Sensitivity, Fluorescence Hybridization," <i>Proc. Natl. Acad. Sci. USA</i> 83:2934-2938 (1986).
Pinkel et al., "Detection of Structural Chromosome Abberations in Metaphase Spreads and Interphase Nuclei by In Situ Hybridization High Complexity Probes Which Stain Entire Human Chromosomes," <i>Am. J. Hum. Genet. Supplement</i> to 43(3):0471 (1988).
Raymond et al., "Continuous Separation of High Molecular Weight Compounds Using a Microliter Volume Free-Flow Electrophoresis Microstructure," <i>Anal. Chem.</i> 68:2515-2522 (1996).
Ried et al., "Multicolor Fluorescence In Situ Hybridization for the Simultaneous Detection of Probe Sets for Chromosomes 13, 18, 21, X and Y in Uncultured Amniotic Fluid Cells," <i>Hum. Mol. Genet.</i> 1:307-313 (1992).
Saiki et al., "Diagnosis of Sickle Cell Anemia and β -Thalassemia with Enzymatically Amplified DNA and Nonradioactive Allele-Specific Oligonucleotide Probes," <i>N. Engl. J. Med.</i> 319:537-541 (1988).
Sato et al., "Individual and Mass Operation of Biological Cells Using Micromechanical Silicon Devices," <i>Sens. Actuators A21-A23</i> :948-953 (1990).
Simpson et al., "Elevated Second Trimester Maternal Serum Alpha Fetoprotein (MSAFP) Is More Predictive of Certain Pregnancy Complications than Elevated Third Trimester MSAFP: A Cohort Study," <i>Am. J. Hum. Genet. Supplement</i> to 51(4):A19-65 (1992).
Theophilus et al., "Gaucher Disease: Molecular Heterogeneity and Phenotype-Genotype Correlations," <i>Am. J. Hum. Genet.</i> 45:212-225 (1989).
Thomas et al., "Specific Binding and Release of Cells from Beads Using Cleavable Tetrameric Antibody Complexes," <i>J. Immunol. Methods</i> 120:221-231 (1989).
Tong et al., "Low Temperature Wafer Direct Bonding," <i>J. Microelectromech. Syst.</i> 3:29-35 (1994).
Trask et al., "Detection of DNA Sequences in Nuclei in Suspension by In Situ Hybridization and Dual Beam Flow Cytometry," <i>Science</i> 230:1401-1403 (1985).
Trowbridge et al., "Human Cell Surface Glycoprotein Related to Cell Proliferation Is the Receptor for Transferrin," <i>Proc. Natl. Acad. Sci. USA</i> 78:3039-3043 (1981).
Turner et al., "Confinement-Induced Entropic Recoil of Single DNA Molecules in a Nanofluidic Structure," <i>Phys. Rev. Lett.</i> 88:128103 (2002).
Voldman et al., "Holding Forces of Single-Particle Dielectrophoretic Traps," <i>Biophys. J.</i> 80:531-541 (2001).
Volkmuth et al., "DNA Electrophoresis in Microlithographic Arrays," <i>Nature</i> 358:600-602 (1992).
Wachtel et al., "Fetal Cells in the Maternal Circulation: Isolation by Multiparameter Flow Cytometry and Confirmation by Polymerase Chain Reaction," <i>Hum. Reprod.</i> 6:1466-1469 (1991).

EXAMINER		DATE CONSIDERED	12-23-06
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50254/005002
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		Filing Date	March 28, 2005
		Group	Not yet assigned
(37 C.F.R. § 1.98(b))		IDS Filed	January 13, 2006

JWA	Williams et al., "Prenatal Diagnosis of 46, XX Males: Confirmation of X-Y Interchange by Fluorescence <i>In Situ</i> Hybridization (FISH)," <i>Am. J. Hum. Genet.</i> Supplement to 51(4):A266 (1048) (1992).
S	Williams et al., "Comparison of Cell Separation Methods to Enrich the Proportion of Fetal Cells in Maternal Blood Samples," <i>Am. J. Hum. Genet.</i> Supplement to 51(4): A266 (1049) (1992).
S	Xu et al., "Dielectrophoresis of Human Red Cells in Microchips," <i>Electrophoresis</i> 20:1829-1831 (1999).
S	Yuan and Prosperetti, "The Pumping Effect of Growing and Collapsing Bubbles in a Tube," <i>J. Micromech. Microeng.</i> 9:402-413 (1999).
JWA	Zhang and Manz, "High-Speed Free-Flow Electrophoresis on Chip," <i>Anal. Chem.</i> 75:5759-5766 (2003).

EXAMINER <u>Dustin Warr</u>	DATE CONSIDERED <u>12/23/06</u>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

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SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	50254/005002
	Serial No.	10/529,453
	Applicant	Toner et al.
	§ 371 Date	December 19, 2005
	Group	1651
	IDS Filed	October 24, 2006

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
<i>Jan</i>	4,115,534	09/19/1978	Ithakissios			
<i>Jan</i>	5,215,926	06/1/1993	Etchells et al.			
<i>Jan</i>	5,972,721	10/26/1999	Bruno et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
<i>Jan</i>	Graham "Efficiency Comparison of Two Preparative Mechanisms for Magnetic Separation of Erythrocytes from Whole Blood," J. Appl. Phys. 1981, 52:2578-2580					

EXAMINER <i>Julius Feller</i>	DATE CONSIDERED <i>12-23-06</i>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

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SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50254/005002
		Serial No.	10/529,453
		Applicant	Toner et al.
		§ 371 Date	December 19, 2005
		Group	1651
(37 C.F.R. § 1.98(b))		IDS Filed	October 2, 2006

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
<i>Don</i>	4,508,625	Apr. 2, 1985	Graham			
	4,664,796	May 12, 1987	Graham et al.			
	4,814,098	Mar. 21, 1989	Inada et al.			
	5,153,117	Oct. 6, 1992	Simons			
	5,186,827	Feb. 16, 1993	Liberti et al.			
	5,304,487	Apr. 19, 1994	Wilding et al.			
	5,432,054	Jul. 11, 1995	Saunders et al.			
	5,447,842	Sep. 5, 1995	Simons			
	5,457,024	Oct. 10, 1995	Goldbard			
	5,468,574	Nov. 14, 1995	Liberti et al.			
	5,587,070	Dec. 24, 1996	Pall et al.			
	5,639,669	Jun. 17, 1997	Ledley			
	5,648,220	Jul. 15, 1997	Blanchi et al.			
	5,707,799	Jan. 13, 1998	Hansmann et al.			
	5,731,156	Mar. 24, 1998	Golbus			
	5,750,339	May 12, 1998	Smith			
	5,770,029	Jun. 23, 1998	Nelson et al.			
	5,866,345	Feb. 2, 1999	Wilding et al.			
	5,879,624	Mar. 9, 1999	Boehringer et al.			
	5,952,173	Sep. 14, 1999	Hansmann et al.			
<i>OK</i>	5,982,234	Oct. 5, 1999	Golbus			

EXAMINER <i>Don Miller</i>	DATE CONSIDERED <i>12-23-06</i>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

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(37 C.F.R. § 1.98(b))		Applicant	Toner et al.
		§ 371 Date	December 19, 2005
		Group	1651
		IDS Filed	October 2, 2006

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
JAN	5,993,665	Nov. 30, 1999	Terstappen et al.			
	6,013,188	Jan. 11, 2000	Terstappen et al.			
	6,036,857	Mar. 14, 2000	Chen et al.			
	6,120,856	Sep. 19, 2000	Liberti et al.			
	6,156,270	Dec. 5, 2000	Buechler			
	6,241,894	Jun. 5, 2001	Briggs et al.			
	6,291,249	Sep. 18, 2001	Mahant et al.			
	6,365,362	Apr. 2, 2002	Terstappen et al.			
	6,368,871	Apr. 9, 2002	Christel et al.			
	6,454,938	Sep. 24, 2002	Moon et al.			
	6,465,225	Oct. 15, 2002	Fuhr et al.			
	6,605,454	Aug. 12, 2003	Barenburg et al.			
	6,632,652	Oct. 14, 2003	Austin et al.			
	6,689,615	Feb. 10, 2004	Murto, et al.			
	6,746,503	June 8, 2004	Benett et al.			
	6,770,434	Aug. 3, 2004	Shvets et al.			
	6,881,315	Apr. 19, 2005	Iida et al.			
	6,911,345	Jun. 28, 2005	Quake et al.			
	6,960,449	Nov. 1, 2005	Wang et al.			
	2002/0006621	Jan. 17, 2002	Bianchi			
JAN	2002/0012931	Jan. 31, 2002	Waldman, et al.			

EXAMINER	<i>Andrew Bacon</i>	DATE CONSIDERED	12-23-06
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		Applicant	Toner et al.
		§ 371 Date	December 19, 2005
		Group	1651
(37 C.F.R. § 1.98(b))			IDS Filed
		October 2, 2006	

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
<i>Jan</i>	2002/0076825	Jun. 20, 2002	Cheng et al.			
	2003/0072682	Apr. 17, 2003	Kikinis			
	2003/0082148	May 1, 2003	Ludwig et al.			
	2004/0018116	Jan. 29, 2004	Desmond et al.			
	2004/0023222	Feb. 5, 2004	Russell et al.			
	2004/0063163	April 1, 2004	Buffiere et al.			
	2004/0072278	Apr. 15, 2004	Chou et al.			
	2004/0214240	Oct. 28, 2004	Cao			
	2004/0232074	Nov. 25, 2004	Peters et al.			
	2004/0245102	Dec. 9, 2004	Gilbert et al.			
	2005/0042685	Feb. 24, 2005	Albert et al.			
	2005/0092662	May 5, 2005	Gilbert et al.			
	2005/0118591	Jun. 2, 2005	Tamak et al.			
	2005/0123454	Jun. 9, 2005	Cox			
	2005/0124009	Jun. 9, 2005	Van Weeghel et al.			
	2005/0142663	Jun. 30, 2005	Parthasarathy et al.			
	2005/0145497	Jul. 7, 2005	Gilbert et al.			
	2005/0153342	Jul. 14, 2005	Chen			
	2005/0170418	Aug. 4, 2005	Moreland et al.			
	2005/0175505	Aug. 11, 2005	Cantor et al.			
<i>Jan</i>	2005/0181463	Aug. 18, 2005	Rao et al.			

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	12-23-06
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	IDS Filed	October 2, 2006

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
<i>OKU</i>	2005/0244843	Nov. 3, 2005	Chen et al.			
<i>S</i>	2005/0272103	Dec. 8, 2005	Chen			
<i>JKU</i>	2006/0008807	Jan. 12, 2006	O'Hara et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
<i>OKU</i>	EP0094193	Nov. 16, 1983	EPO			
	EP0837996	Feb. 15, 1995	EPO			
	EP0739240	Oct. 30, 1996	EPO			
	EP1409727	Nov. 9, 2005	EPO			
	FR2658347	Sep. 13, 1991	France			
	WO1985/02201	May 23, 1985	WIPO			
	WO1991/07660	May 30, 1991	WIPO			
	WO1997/46882	Dec. 11, 1997	WIPO			
	WO1998/10267	Mar. 12, 1998	WIPO			
	WO1998/12539	Mar. 26, 1998	WIPO			
	WO1998/22819	May 28, 1998	WIPO			
	WO2000/62931	Oct. 26, 2000	WIPO			
	WO2001/51668	Jul. 19, 2001	WIPO			
	WO2003/018757	Mar. 6, 2003	WIPO			
	WO2003/019141	Mar. 6, 2003	WIPO			
<i>OKU</i>	WO2003/035894	May. 1, 2003	WIPO			

EXAMINER <i>OKU</i>	DATE CONSIDERED <i>12-23-06</i>
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
<i>OKW</i>	WO2003/071278	Aug. 28, 2003	WIPO			
<i>OKW</i>	WO2003/085379	Oct. 16, 2003	WIPO			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
<i>OKW</i>	Adinolfi, "On a Non-Invasive Approach to Prenatal Diagnosis Based on the Detection of Fetal Nucleated Cells in Maternal Blood Samples," Prenat. Diagn. 11:799-804 (1991).					
	Adinolfi et al., "Gene Amplification to Detect Fetal Nucleated Cells in Pregnant Women," Lancet 2:328-329 (1989).					
	Al-Mufti et al., "Distribution of fetal and embryonic hemoglobins in fetal erythroblasts enriched from maternal blood," Haematologica 86:357-362 (2001).					
	Bertero et al., "Circulating 'Trophoblast' Cells in Pregnancy Have Maternal Genetic Markers," Prenat. Diagn. 8:585-590 (1988).					
	Blanchi et al., "Direct Hybridization to DNA from Small Numbers of Flow-Sorted Nucleated Newborn Cells," Cytometry 8:197-202 (1987).					
	Blanchi et al., "Isolation of Male Fetal DNA from Nucleated Erythrocytes (NRBC) in Maternal Blood," Pediatr. Res. May 1-4, 1989; 139A Abstract 818 (1989).					
	Blanchi et al., "Demonstration of Fetal Gene Sequences in Nucleated Erythrocytes Isolated from Maternal Blood," Am. J. Hum. Genet. Supplement to 45:A252 Abstract 0991 (1989).					
	Blanchi et al., "Isolation of Fetal DNA from Nucleated Erythrocytes in Maternal Blood," PNAS 87:3279-3283 (1990).					
	Blanchi et al., "Possible Effect of Gestational Age on the Detection of Fetal Nucleated Erythrocytes in Maternal Blood," Prenat. Diagn. 11:523-528 (1991).					
	Bickers et al., "Fetomaternal Transfusion Following Trauma," Obstet. Gynecol. 61:258-259 (1983).					
	Bigbee et al., "Monoclonal Antibodies Specific for the M- and N-Forms of Human Glycophorin A," Mol. Immunol. 20:1353-1362 (1983).					
	Bohmer et al., "Differential development of fetal and adult haemoglobin profiles in colony culture: isolation of fetal nucleated red cells by two-colour fluorescence labelling," British Journal of Haematology 103:351-360 (1998).					
	Brody et al., "Deformation and flow of red blood cells in a synthetic lattice: evidence for an active cytoskeleton," Biophys. J. 68:2224-2232 (1995).					
	Bulmer and Johnson, "Antigen Expression by Trophoblast Populations in the Human Placenta and Their Possible Immunobiological Relevance," Placenta 6:127-140 (1985).					
	Cai et al., "A New TATA Box Mutation Detected at Prenatal Diagnosis for β -Thalassemia," Am. J. Hum. Genet. 45:112-114 (1989).					
	Cai et al., "Rapid Prenatal Diagnosis of β Thalassemia Using DNA Amplification and Nonradioactive Probes," Blood 73:372-374 (1989).					
	Carlson et al., "Self-Sorting of White Blood Cells in a Lattice," Physical Review Letters 79:2149-2152 (1997).					
<i>OKW</i>	Chang et al. Biomimetic technique for adhesion-based collection and separation of cells in a microfluidic channel. Lab Chip. 5:64-73 (2005).					

EXAMINER	<i>Subramanian</i>	DATE CONSIDERED	<i>12-23-06</i>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50254/005002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/529,453
(37 C.F.R. § 1.98(b))		Applicant	Toner et al.
		§ 371 Date	December 19, 2005
		Group	1651
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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
OJN	Choolani et al., "Characterization of first trimester fetal erythroblasts for non-invasive prenatal diagnosis," Molecular Human Reproduction 9:227-235 (2003).
	Chou et al., "A Microfabricated Device for Sizing and Sorting DNA Molecules," PNAS 96:11-13 (1999).
	Christensen et al., "Fetal Cells in Maternal Blood: A Comparison of Methods for Cell Isolation and Identification," Fetal Diagnosis and Therapy 20:106-112 (2005).
	Chueh and Golbus, "Prenatal Diagnosis Using Fetal Cells in the Maternal Circulation," Semin. Perinatol. 14:471-482 (1990).
	Chueh and Golbus, "Prenatal Diagnosis Using Fetal Cells in the Maternal Circulation," West. J. Med. 159:308-311 (1993).
	Chueh and Golbus, "The Search for Fetal Cells in the Maternal Circulation," J. Perinatol. Med. 19:411-420 (1991).
	Clayton et al., "Fetal Erythrocytes in the Maternal Circulation of Pregnant Women," Obstet. Gynecol. 23:915-919 (1984).
	Cohen and Zuelzer, "Mechanisms of Isoimmunization II. Transplacental Passage and Postnatal Survival of Fetal Erythrocytes in Heterospecific Pregnancies," Blood 30:796-804 (1967).
	Covone et al., "Trophoblast Cells in Peripheral Blood from Pregnant Women," Lancet 2:841-843 (1984).
	Covone et al., "Analysis of Peripheral Maternal Blood Samples for the Presence of Placenta-Derived Cells Using Y-Specific Probes and McAb H315," Prenat. Diagn. 8:591-607 (1988).
	Das et al., "Dielectrophoretic segregation of different human cell types on microscope slides," Anal. Chem. 77:2708-2719 (2005).
	Douglas et al., "Trophoblast in the Circulating Blood During Pregnancy," Am. J. Obstet. Gynecol. 78:960-973 (1959).
	Elias, "Prenatal Blood Test Can Signal Genetic Disorders," The Boston Globe. Oct. 8, 1991:4.
	Hennerbichler et al., "Detection and relocation of cord blood nucleated red blood cells by laser scanning cytometry," Cytometry 48:87-92 (2002).
	Hvid, "In-Cell PCR Method for Specific Genotyping of Genomic DNA from One Individual in a Mixture of Cells from Two Individuals: A Model Study with Specific Relevance to Prenatal Diagnosis Based on Fetal Cells in Maternal Blood," Clin. Chem. 48:2115-23 (2002).
	Jan and Herzenberg, "Fetal Erythrocytes Detected and Separated from Maternal Blood by Electronic Fluorescent Cell Sorter," Texas Rep. Biol. Med. 31:575 (1973).
	Kelly, "A Simpler, Safer Blood Test for Birth Defects," USA Today. Nov. 14, 1989:1D.
	de Kretser et al., "The Separation of Cell Populations using Monoclonal Antibodies attached to Sepharose. Tissue Antigens 16:317-325 (1980).
	Krivacic et al., "A rare-cell detector for cancer," PNAS 101:10501-10504 (2004).
	Kulozik and Pawlowski, "Fetal Cell in the Maternal Circulation: Detection by Direct AFP-Immunofluorescence," Hum. Genet. 62:221-224 (1982).
	Lloyd et al., "Intrapartum Fetomaternal Bleeding in Rh-Negative Women," Obstet. Gynecol. 56:285-287 (1980).
OJN	Melville et al., "Direct magnetic separation of red cells from whole blood," Nature 255:706 (1975).

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